



STV Incorporated
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Baltimore, MD 21244
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— E — E —	ELECTRIC CABLES	— SD — SD —	STORM DRAIN
— A — A —	AERIAL CABLES	— G — G —	GAS MAIN
— T — T —	TELEPHONE CABLES	— W — W —	WATER MAIN
— F — F —	FIBER-OPTIC	— S — S —	SEWER MAIN

GEOMETRIC LEGEND	
=====	EXISTING
=====	PROPOSED

UTILITY LEGEND

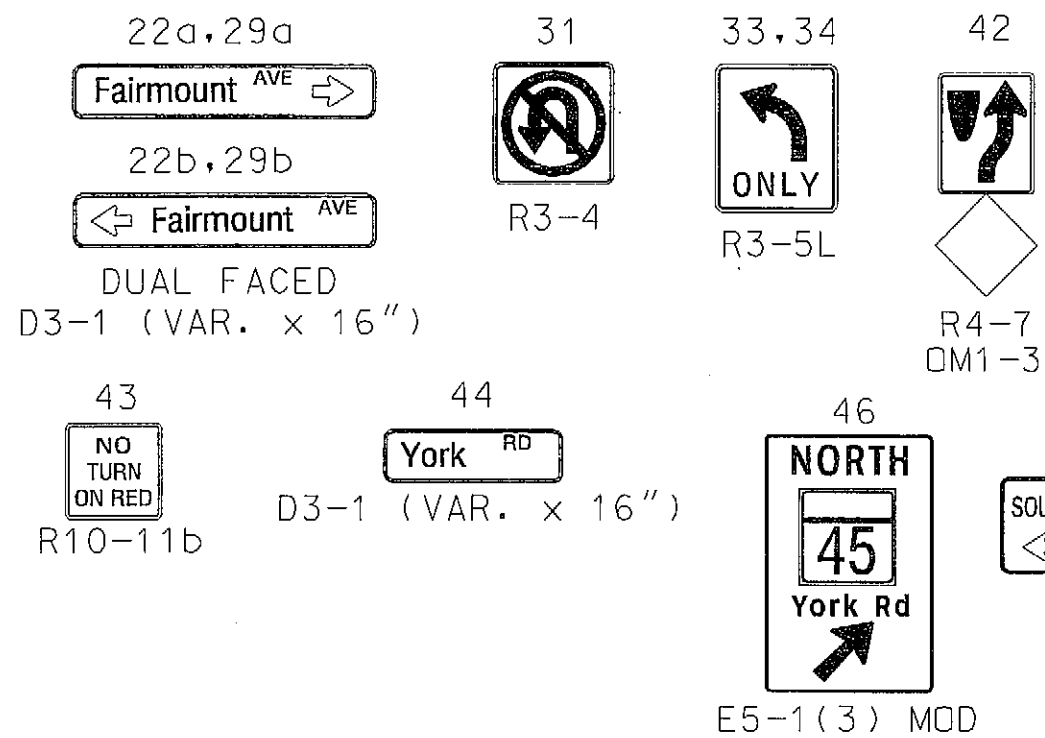
KK. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
MM. INSTALL SHIELD ASSEMBLY ON EXISTING SIGNAL ARM.
NN. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING SYMBOL.
OO. INSTALL 5 IN. HEAT APPLIED SOLID WHITE PERMANENT PAVEMENT MARKING LINE (3'-9"-3') (SEE SG-02 FOR DIMENSIONS).

CONSTRUCTION DETAILS

- REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP WITH DETECTABLE WARNING SURFACE CLAY BRICK PAVERS PER SHA STD. MD 655.40 (SEE DETAIL ON SG-03).
- REMOVE EXISTING SIDEWALK AND RAMP. CONSTRUCT NEW SIDEWALK AND RAMP PER SHA STD. MD 655.11 WITH DETECTABLE WARNING SURFACE CLAY BRICK PAVERS PER SHA STD. MD 655.40 (SEE DETAIL ON SG-03).
- EXCAVATE EXISTING ROADWAY AND RECONSTRUCT EXISTING ISLAND WITH EXTENSION. CUT-THROUGH PER SHA STD. MD 655.21 AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS PER SHA STD. MD 655.40 (SEE DETAIL ON SG-03 AND SEE NOTE 20).
- REMOVE EXISTING CUT-THROUGH AND CONSTRUCT NEW CUT-THROUGH PER SHA STD. MD 655.21 AND DETECTABLE WARNING SURFACE CLAY BRICK PAVERS PER SHA STD. MD 655.40 (SEE DETAIL ON SG-03).
- REMOVE SIGN 57a FROM EXISTING SIGNAL POLE AND INSTALL R10-3(1) SIGN "PUSH BUTTON TO CROSS YORK ROAD". REALIGN EXISTING ACCESSIBLE PEDESTRIAN SIGNAL AS NECESSARY.
- REMOVE EXISTING PEDESTAL POLE AND ACCESSIBLE PEDESTRIAN SIGNAL FROM EXISTING TRANSFORMER BASE AND INSTALL A NEW 5 FT. PEDESTAL POLE ON THE EXISTING TRANSFORMER BASE WITH NEW ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND R10-3(1) SIGN "PUSH BUTTON TO CROSS FAIRMOUNT AVENUE". USE EXISTING WIRE.
- REMOVE EXISTING PEDESTAL POLE AND ACCESSIBLE PEDESTRIAN SIGNAL FROM EXISTING TRANSFORMER BASE AND INSTALL A NEW 5 FT. PEDESTAL POLE ON THE EXISTING TRANSFORMER BASE WITH NEW ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND R10-3(1) SIGN "PUSH BUTTON TO CROSS FAIRMOUNT AVENUE". USE EXISTING WIRE.
- INSTALL A 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND R10-3(1) SIGN "PUSH BUTTON TO CROSS YORK ROAD" (NOTE: 1-2 IN. 90 DEG. PVC BEND).
- INSTALL A 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND R10-3(1) SIGN "PUSH BUTTON TO CROSS YORK ROAD" (NOTE: 1-2 IN. 90 DEG. PVC BEND).
- REMOVE EXISTING PUSHBUTTON FROM EXISTING SIGNAL POLE. INSTALL 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS SCHOOL ENTRANCE" (NOTE: 1-2 IN. 90 DEG. PVC BEND).
- INSTALL A 5 FT. BREAKAWAY PEDESTAL POLE WITH FOUNDATION PER SHA STD. MD 801.01-01, BREAKAWAY COUPLINGS, ACCESSIBLE PUSHBUTTON (ARROW LEFT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS SCHOOL ENTRANCE" (NOTE: 1-2 IN. 90 DEG. PVC BEND).
- REMOVE EXISTING ACCESSIBLE PUSHBUTTON AND SIGN AND INSTALL NEW ACCESSIBLE PUSHBUTTON (ARROW RIGHT) AND SIGN R10-3(1) "PUSH BUTTON TO CROSS YORK ROAD" ON EXISTING PEDESTAL POLE (USE EXISTING WIRING) (SEE NOTE 13).
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER.
- REMOVE EXISTING PAVEMENT MARKINGS (SEE NOTE 16).
- INSTALL 12 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR CROSSWALK.
- INSTALL 24 IN. WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINE FOR STOPLINE.
- ADJUST EXISTING HANDHOLE TO GRADE.
- ABANDON EXISTING MICROLOOP PROBE SET.
- W. INSTALL 1 IN. LIGHT TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR SLEEVE.
- REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT AND INSTALL NEW GROUND MOUNTED SIGN ON ONE (1) 4 IN. X 4 IN. WOOD SUPPORT.
- Y. INSTALL MICROLOOP PROBE SET.
- Z. SAW CUT FOR MICROLOOP PROBE LEAD-IN.
- AA. REMOVE EXISTING HANDHOLE CAP AND ABANDON EXISTING CONDUIT AND BACKFILL.
- BB. INSTALL GROUND MOUNTED SIGN ON ONE (1) 4 IN. X 6 IN. WOOD POST SUPPORT.
- CC. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 10 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE (SEE NOTE 26).
- DD. REMOVE EXISTING GROUND MOUNTED SIGN, AND SUPPORT AND INSTALL EXISTING SIGN ON ONE (1) 4 IN. X 4 IN. WOOD SUPPORT.
- EE. REMOVE EXISTING PAVEMENT MARKINGS AND INSTALL 5 IN. HEAT APPLIED SOLID WHITE PERMANENT PAVEMENT MARKING LINE (SEE SG-02 FOR DIMENSIONS).
- FF. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL. CAP AND ABANDON EXISTING CONDUIT.
- GG. REMOVE EXISTING PUSHBUTTON AND SIGN FROM EXISTING SIGNAL POLE.
- HH. INSTALL 1-1/2 IN. PVC 90 DEGREE BEND IN EXISTING BASE MOUNTED CABINET.
- II. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- JJ. INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED.
- KK. REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORT.
- LL. INSTALL SIGN ON EXISTING MAST ARM.
- MM. INSTALL SHIELD ASSEMBLY ON EXISTING SIGNAL POLE.
- NN. INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING SYMBOL.
- OO. INSTALL 5 IN. HEAT APPLIED SOLID WHITE PERMANENT PAVEMENT MARKING LINE (3'-9"-3') (SEE SG-02 FOR DIMENSIONS).

TOD NO: XY25-06
SHA NO: BA087B54
MD 45 @ Fairmount Avenue

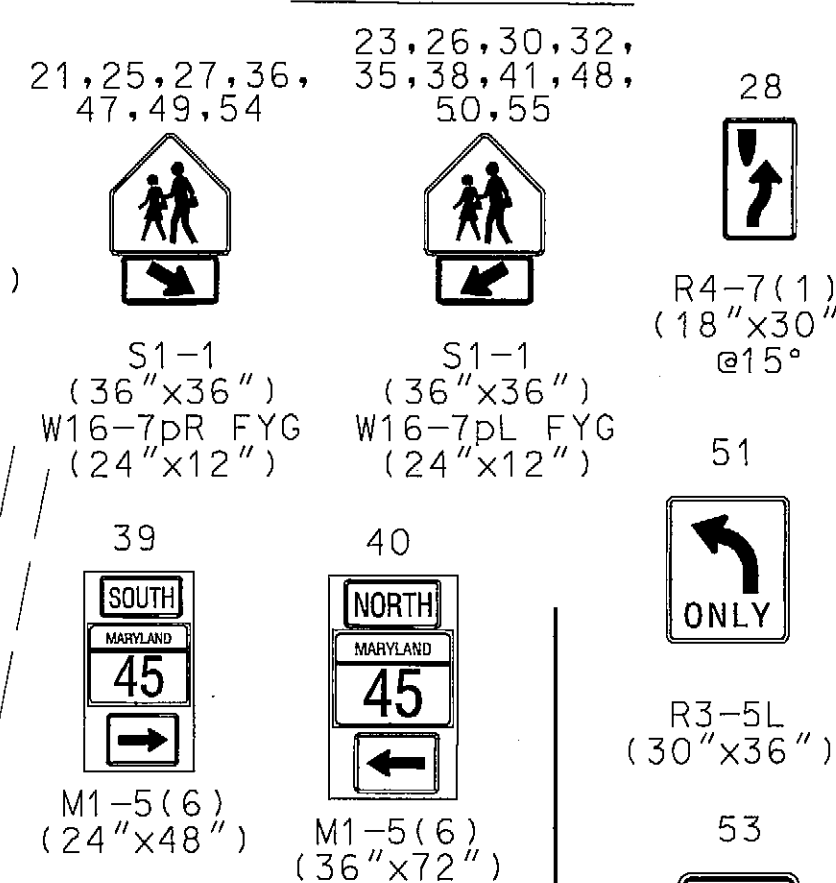
EXISTING SIGNS TO REMAIN



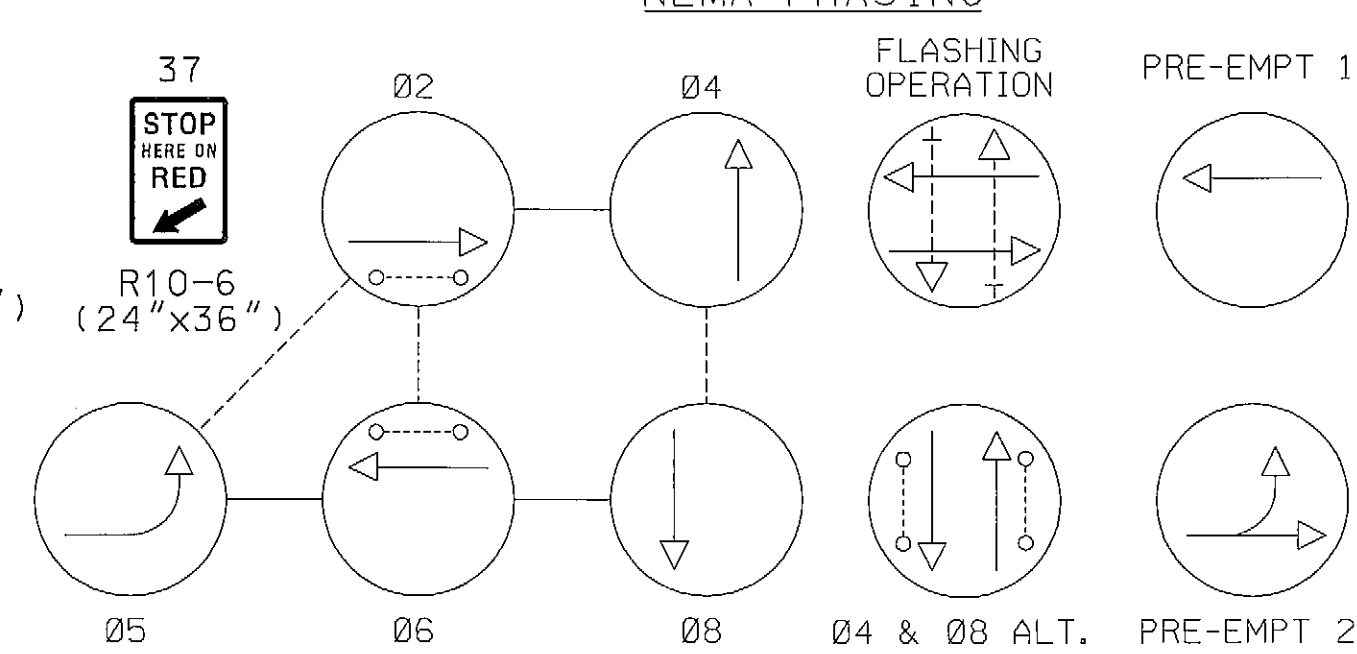
EXISTING OPTICOM

d.e
→

PROPOSED SIGNS

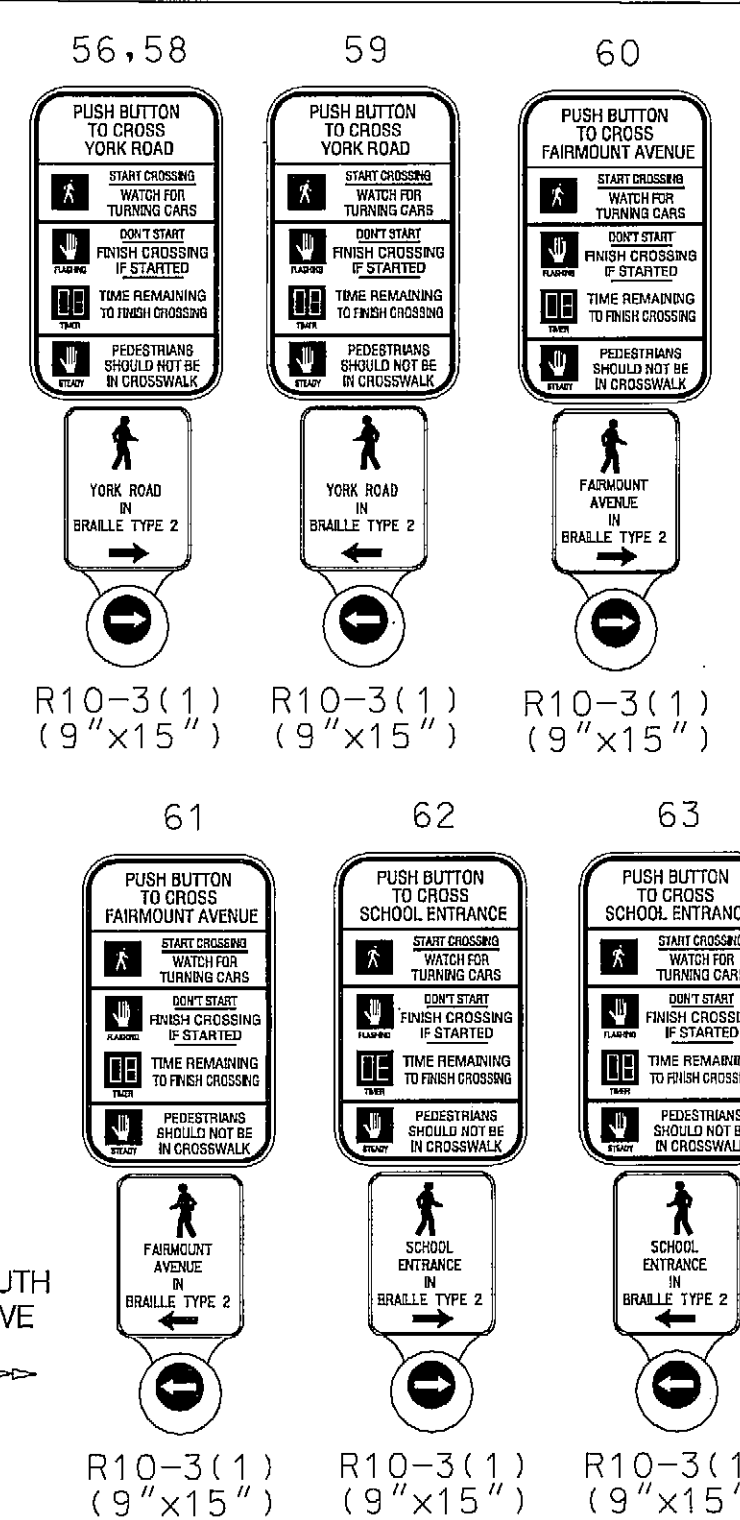


NEMA PHASING



NOTE: PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

PROPOSED ACCESSIBLE PUSHBUTTON AND SIGN



GENERAL NOTES CONTINUED

- PUSHBUTTON IS TO BE LOCATED SO THAT A PEDESTRIAN IN A WHEELCHAIR LOCATED ON THE LEVEL LANDING AREA DOES NOT HAVE TO REACH MORE THAN 18 IN.
- THE CONTRACTOR SHALL CLEAN AND PLUG THE HOLES FROM EXISTING EQUIPMENT REMOVED FROM EXISTING SIGNAL POLES.
- WOOD SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD 812.05-01 AND MD 812.05-02.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- THE CONTRACTOR SHALL REFER TO FIGURE 3B-200 OF THE 2011 MARYLAND M.U.T.C.D. FOR CROSSWALK PAVEMENT MARKING DETAIL.
- THE 10 FT. MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER OF POLE TO CENTER OF POLE.
- THE CONTRACTOR SHALL EXTEND EDGE LINES IN AREAS WHERE EXISTING CROSSWALKS HAVE BEEN REMOVED.
- THE CONTRACTOR SHALL NOT DISRUPT THE DETECTOR SLEEVES FOR THE SAMPLING DETECTOR LOOPS FOR SB MD 45.
- THE 5 IN. HEAT APPLIED WHITE PERMANENT PAVEMENT MARKING LINE ITEM HAS BEEN DOUBLED TO ACCOUNT FOR THE 10 IN. HEAT APPLIED PERMANENT PAVEMENT MARKINGS.



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 45 (YORK ROAD) AT FAIRMOUNT AVENUE

TOWSON, MARYLAND

TRAFFIC SIGNALIZATION PLAN SHEET

SCALE 1"=20' DATE 01/2000 CONTRACT NO. BA3305183
DESIGNED BY COUNTY BALTIMORE
DRAWN BY FH LOGMILE 03004502.82
CHECKED BY DJD TMS NO.
F.A.P. NO. TOD NO.
TS NO. 3981E DRAWING SG-01 OF 03 SHEET NO. 01 OF 03

APPROVALS		REVISIONS	
TEAM LEADER	ORIGINAL ON FILE	② INSTALL ADA RAMP AND UPGRADE APS TO CURRENT STANDARDS SHA NO. XY255185 TMS # 1032 05/2012 BY: KXT WJM	
ASST. DIR. CHIEF		③ INSTALL OPTICOM DETECTION FOR SOUTHBOUND MD 45 (YORK ROAD) SHA NO. XY335189 02/2010 BY: SSS DJD	
DIVISION CHIEF		④ INSTALLING OPTICOM SHA NO. AT726185 TMS # 1423 04/2006 BY: JA MK DJD	
OFFICE DIRECTOR			

PLOTTED: Monday, April 30, 2012 AT 08:02 AM
FILE: I:\PROJECTS\041255\041255_0168\Drawings\TRA\pSG-P000_MD45_Fairmount.dgn